

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,227

DATE: 12/21/2001

TIME: 10:27:14

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#2.

ENTERED

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3 <110> APPLICANT: Hamer, Lisbeth
4      Adachi, Kiichi
5      DeZwaan, Todd M
6      Lo, Sze Chung C
7      Montenegro-Chamorro, Maria V
8      Frank, Sheryl A
9      Darveaux, Blaise A
10     Mahanty, Sanjoy K
11     Heiniger, Ryan W
12     Skalchunes, Amy R
13     Pan, Huaqin
14     Tarpey, Rex
15     Shuster, Jeffrey R
16     Tanzer, Matthew M
18 <120> TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF INHIBITORS OF 3-
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19     DEHYDRATASE AS ANTIBIOTICS
21 <130> FILE REFERENCE: 2131US
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/010,227
C--> 23 <141> CURRENT FILING DATE: 2001-12-06
23 <160> NUMBER OF SEQ ID NOS: 3
25 <170> SOFTWARE: PatentIn version 3.1
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29 <212> TYPE: DNA
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227 <210> SEQ ID NO: 3

228 <211> LENGTH: 778

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230 <213> ORGANISM: Magnaporthe grisea

232 <400> SEQUENCE: 3

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239 20 25 30
242 Ile Asp Arg His Leu Val His Glu Val Thr Ser Pro Gln Ala Phe Glu
243 35 40 45
246 Gly Leu Arg Asn Ala Gly Arg Lys Val Arg Arg Pro Asp Cys Thr Leu
247 50 55 60
250 Ala Thr Thr Asp His Asn Val Pro Thr Thr Ser Arg Lys Ala Leu Lys
251 65 70 75 80
254 Asp Ile Ala Ser Phe Ile Lys Glu Asp Asp Ser Arg Thr Gln Cys Val
255 85 90 95
258 Thr Leu Glu Glu Asn Val Lys Glu Phe Gly Val Thr Tyr Phe Gly Leu
259 100 105 110
262 Ser Asp Lys Arg Gln Gly Ile Val His Val Ile Gly Pro Glu Gln Gly
263 115 120 125

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266 Phe Thr Leu Pro Gly Thr Thr Val Val Cys Gly Asp Ser His Thr Ser
267      130      135      140
270 Thr His Gly Ala Phe Gly Ala Leu Ala Phe Gly Ile Gly Thr Ser Glu
271 145      150      155      160
274 Val Glu His Val Leu Ala Thr Gln Cys Leu Ile Thr Lys Arg Ser Lys
275      165      170      175
278 Asn Met Arg Ile Gln Val Asp Gly Glu Leu Ala Pro Gly Val Ser Ser
279      180      185      190
282 Lys Asp Val Val Leu His Ala Ile Gly Ile Ile Gly Thr Ala Gly Gly
283      195      200      205
286 Thr Gly Ala Val Ile Glu Phe Cys Gly Ser Val Ile Arg Ser Leu Ser
287      210      215      220
290 Met Glu Ala Arg Met Ser Ile Cys Asn Met Ser Ile Glu Gly Gly Ala
291 225      230      235      240
294 Arg Ala Gly Met Val Ala Pro Asp Glu Ile Thr Phe Glu Tyr Leu Lys
295      245      250      255
298 Gly Arg Pro Leu Ala Pro Lys Tyr Asp Ser Pro Glu Trp His Lys Ala
299      260      265      270
302 Thr Gln Tyr Trp Lys Asn Leu Gln Ser Asp Pro Gly Ala Lys Tyr Asp
303      275      280      285
306 Ile Asp Val Phe Ile Asp Ala Lys Asp Ile Val Pro Thr Leu Thr Trp
307      290      295      300
310 Gly Thr Ser Pro Glu Asp Val Val Pro Ile Thr Gly Val Val Pro Asp
311 305      310      315      320
314 Pro Glu Thr Phe Ala Thr Glu Ala Lys Lys Ala Asp Gly Arg Arg Met
315      325      330      335
318 Leu Gln Tyr Met Gly Leu Lys Ala Gly Thr Pro Met Glu Asp Ile Pro
319      340      345      350
322 Val Asp Lys Val Phe Ile Gly Ser Cys Thr Asn Ser Arg Ile Glu Asp
323      355      360      365
326 Leu Arg Ala Ala Ala Val Val Lys Gly Arg Lys Lys Ala Pro Asn
327      370      375      380
330 Val Lys Ser Ala Met Val Val Pro Gly Ser Gly Leu Val Lys Thr Gln
331 385      390      395      400
334 Ala Glu Glu Glu Gly Leu Asp Lys Ile Phe Glu Glu Ala Gly Phe Glu
335      405      410      415
338 Trp Arg Glu Ala Gly Cys Ser Met Cys Leu Gly Met Asn Pro Asp Ile
339      420      425      430
342 Leu Ala Pro Gln Glu Arg Cys Ala Ser Thr Ser Asn Arg Asn Phe Glu
343      435      440      445
346 Gly Arg Gln Gly Ala Gly Gly Arg Thr His Leu Met Ser Pro Val Met
347      450      455      460
350 Ala Ala Ala Ala Gly Ile Val Gly Lys Leu Ala Asp Val Arg Lys Leu
351 465      470      475      480
354 Thr Asp Tyr Lys Ala Ser Pro His Ile Ala Ala Tyr Gln Lys Ser Thr
355      485      490      495
358 Val Thr Lys Pro His Val Asp Glu Arg Ile Asn Gln Asp Ala His Glu
359      500      505      510
362 Lys Asp Ile Ile Ala Asp Ile Pro Glu Asp Asn Asn Gly Pro His Thr

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371 545          550          555          560
374 Asp Ala Ile Ile Pro Lys Gln Phe Leu Lys Thr Ile Lys Arg Thr Gly
375          565          570          575
378 Leu Gly Asn Ala Leu Phe Tyr Glu Met Arg Phe Asn Glu Asp Gly Thr
379          580          585          590
382 Glu Lys Ser Asp Phe Val Leu Asn Lys Glu Pro Tyr Arg Lys Ala Ser
383          595          600          605
386 Ile Leu Val Cys Thr Gly Ala Asn Phe Gly Cys Gly Ser Ser Arg Glu
387          610          615          620
390 His Ala Pro Trp Ala Leu Asn Asp Phe Gly Ile Arg Ser Val Ile Ala
391 625          630          635          640
394 Pro Ser Phe Ala Asp Ile Phe Phe Asn Asn Ser Phe Lys Asn Gly Met
395          645          650          655
398 Leu Pro Ile Pro Ile Lys Asp Gln Ala Gln Ile Glu Ala Ile Ala Ala
399          660          665          670
402 Glu Ala Arg Ala Gly Lys Glu Ile Glu Val Asp Leu Pro Asn Gln Leu
403          675          680          685
406 Ile Lys Asn Ala Thr Gly Glu Thr Ile Cys Thr Phe Glu Val Glu Glu
407          690          695          700
410 Phe Arg Lys His Cys Leu Val Asn Gly Leu Asp Asp Ile Gly Leu Thr
411 705          710          715          720
414 Met Gln Met Glu Asp Lys Ile Ala Glu Phe Glu Ala Lys Met Thr Arg
415          725          730          735
418 Glu Thr Pro Trp Leu Asp Gly Thr Gly Tyr Leu Lys Arg Lys Gly Gln
419          740          745          750
422 Gly Gly Lys Leu Ala Ala Lys Ala Val Pro Val Pro Thr Thr Asn Arg
423          755          760          765
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VERIFICATION SUMMARY

DATE: 12/21/2001

PATENT APPLICATION: US/10/010,227

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L:23 M:270 C: Current Application Number differs, Replaced Current Application No

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date